

Subject Code: H6801/R13

M. Tech –II Semester Regular/ Supply Examinations, October, 2015

EMBEDDED-C

(Common to VLSI&ES, ES&VLSI, VLSID&ES, ES and VLSID)

Time: 3 Hours

Max Marks: 60

Answer any FIVE questions

All questions carry EQUAL marks

1. What is an embedded system? Explain how to identify a suitable programming language for embedded system.
2. Explain the external interface of the standard 8051.
3. Explain some of the important issues linked to oscillator frequency and performance of 8051.
4. a) Explain the need of pull up resistors.
b) Explain the Switch bounce behaviour with the help of waveforms.
5. Discuss how to use Object-Oriented styles of programming with C language.
6. Explain how to create 'Hardware delays' using Timer0 and Timer1.
7. Explain creating loop time out and write program to test loop timeouts.
8. Discuss the design and implementation of Intruder alarm System.

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